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इस भाग में भिन्न पृष्ठ संख्या दी जाती है, जिससे कि यह असंग संकलन के रूप में रखा जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

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APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE, 214, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-700017

The 29th December 1983

1599/Cal/83 Naba Kumar Bandopadhyay and Smt. Sruti Bandopadhyay. Voltage Regulator.

The 30th December 1983

1600/Cal/83 Snia Fibre S.P.A. A method of producing acrylonitrile-base in-line dyed fibers.

1601/Cal/83 Granger Associates. Spiral Antenna.

1602/Cal/83 Fosroc International Limited. Long shelf life cementitious anchoring capsule' (5th January, 1983).

The 31st January, 1983

1603/Cal/83 Dr. C. Otto & Comp. GmpH. Coke oven door.

1604/Cal/83 Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. A vertical type electrolytic cell and electrolytic process using the same.

1605/Cal/83 Degussa Aktiengesellschaft. Regenerants for carburizing salt baths and a process for the production thereof.

The 2nd January, 1984.

1/Cal/84 Westinghouse Electric Corporation. Self aligning, self loading semiconductor clamp.

2/Cal/84. 1. Hubert Eirich, 2. Walter Birich and 3. Paul Eirich. Apparatus for closing and continuously emptying the container of a treatment machine.

The 3rd January, 1984

3/Cal/84 Energy Conversion Devices, Inc. Electronic matrix arrays and method for making the same.

4/Cal/84 Energy Conversion Devices, Inc. New powder pressed N-type thermoelectric materials and method of making same.

5/Cal/84 The Babcock & Wilcox Company. Optimum control of cooling tower water temperature by function blocks.

The 4th January, 1984

6/Cal/84 Seiken Industrial Co. Ltd. Offset printing unit.
APPLICATION FOR PATENTS FILED AT THE PATENT
OFFICE BRANCH, MUNICIPAL MARKET BUILDING,
III RD FLOOR, KAROL BAGH, NEW DELHI-110005

The 12th December, 1983

832/Del/83. Union Carbide Corporation. "A low cost solar cell". (Divisional date November 20, 1978).

833/Del/83 Smithkline Corporation. "A process for preparing oxadiazolotetrahydroisoquinoline compounds". (Divisional date June 26, 1980).

834/Del/83 Krupp Konvens GmbH. "A process for purifying man-made gypsum".

The 13th December, 1983

835/Del/83 Har Sukh "Improved Gun".

836/Del/83 UOP INC. "Dehydrogenation of dehydrogenatable hydrocarbons".

The 14th December 1983

837/Del/83 Bharat Heavy Electricals Limited. "Dead end insulator".

838/Del/83 Pfizer Inc. Spiro-3-hetero-aromatics for treatment of diabetic complications".

839/Del/83 Energy Conversion Devices, Inc. "Upstream cathode assembly".

840/Del/83 Energy Conversion Devices, Inc. "Upstream Cathode Assembly".

The 15th December 1983

841/Del/83 Thiokol Corporation. "Purification of natural oils with alkali metal borohydrides".

842/Del/83 Dresser Industries, INC. "Monolithic refractories".

The 16th December, 1983

843/Del/83 Hovione Inter Ltd. "A process for the preparation of new rhodium-containing catalysts and their application. (April 5, 1983).

844/Del/83 Energy Conversion Devices, Inc. "Photovoltaic panel having enhanced conversion efficiency stability".

The 19th December, 1983

845/Del/83 Jagadish Prakash Mathur. "A fire detector".

The 20th December, 1983

846/Del/83 Societe Industrielle De Mecanique De Precision Aeronautique. "An improved percussion warhead, particularly for a rocket, with delayed arming".

847/Del/83 Charles William Drensfield. "Rebound screen for ball games". (December 24, 1982).

The 21st December, 1983

848/Del/83 George Benson and Richard Moore (Graham). "Perforated pouches and method for controlling release of a food preserving gas".

849/Del/83 Paul Wurth S.A. "Process for avoiding interactions between a metal bath and atmosphere".

850/Del/83 Kennametal Inc. "Milling cutter and method of assembling therefor".

851/Del/83 Dosco Overseas Engineering Limited. "Mineral cutting pick". (December, 21 1982).

The 22nd December, 1983

852/Del/83 Council of Scientific & Industrial Research. "A process for the production of carnallite from sea bittern and sub-soil bittern containing sulphate ion by solar evaporation".

853/Del/83 Council of Scientific and Industrial Research. "An improved process for sulphation roasting of copper sulphide concentrates to recover copper values in soluble form".

854/Del/83 Bicc Public Limited Company. "Methods of improving the resistance of insulating surfaces to tracking". (January 10, 1983 & August 12, 1983).

855/Del/83 Bicc Public Limited Company. "Articles made from polymer compositions". (January 10, 1983).

856/Del/83 Bicc Public Limited Company. "High voltage electrical apparatus". (January 10, 1983).

857/Del/83 Pandrol Limited, "Fastening railway rails". (January 7, 1983 & March 25, 1983).

The 23rd December, 1983

858/Del/83 The Standard Oil Company, "Process for the production of maleic anhydride by oxidation of hydro-carbons". (Divisional date January 28, 1981).

859/Del/83 Exxon Research and Engineering Company, "Middle distillate compositions with improved low temperature flow properties". (January 4, 1983).

APPLICATION FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES LOWER PAREL, BOMBAY-13

The 29th November 1983

379/Bom/83 Bajaj Auto Ltd. Mounting the spare wheel in two wheeler motor vehicles.

The 3rd December 1983

380/Bom/83 Tata Research Development and Design Centre & Dr. J. A. Sekhar. A process for the manufacture of open pore ceramic filter for filtering molten metal and a continuous open pore ceramic filter obtained thereby.

381/Bom/83. Tata Research Development & Design Centre & Dr. K. G. Gollakota. A process for the isolation of a biogas producing mixed culture from animal excreta and production of biogas from a mixture of cellulosic material and non edible oilseeds or cakes or non edible oilseeds or cakes using said mixed culture.

382/Bom/83 Rahul Bhaskar Mitra. An eight pieces cube, can also be called 2x2x2 cube.

The 6th December 1983

383/Bom/83. Yashwant Shripad Barve. An improved Geyser.

384/Bom/83 Kirloskar Filter Pvt. Ltd. A novel electro-magnetic pick-up/conveying accelerating/shot blasting system.

The 8th December 1983

385/Bom/83 Lubrizol India Ltd. Pour point depressants for lubricating oils.

386/Bom/83 Dastagir Kamal Sanadi. Improved adapter for fare meters of three wheeler automobile.

The 12th December, 1983

387/Bom/83 Bajaj Auto Ltd. Two wheeler motor vehicles provided with bumpers.

388/Bom/Bajaj Auto Ltd. Front mudguard of motor vehicles having single steerable front wheels.

389/Bom/83 Hindustan Lever Ltd. (U.K./17-12-1982). Fabric washing process and detergent compositions for use therein.

390/Bom/83 Ahmedabad Textile Industries Research Association. Mechanical weft exhaust stop motion for non automatic looms.

391/Bom/83 Sudhir Ramkrishna Karandikar. Device for indicating earth continuity in electrical appliances.

The 13th December, 1983

392/Bom/83 BARC Bhabha Atomic Research Centre. A method of chemically three dimensionally cross linking polyvinyl alcohol.

393/Bom/83 Patake Shripad Maruti. Mosquito preventive rolling window.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 22nd December, 1983

239/Mas/83 S. Seetharaman. Improved Handoperated sugar-cane crusher.

The 23rd December, 1983

240/Mas/83 Lucas Industries Public Limited Company. Sliding caliper disc brake. (December 24, 1982).

241/Mas/83 Techmechtron Private Limited. A system for producing electrical signals when a vehicle operates at certain pre-selected speeds.

The 24th December, 1983

242/Mas/83 V. K. Parvatikar. A novel aircraft capable of vertical take-off and landing.

The 26th December, 1983

243/Mas/83. T. Krishnan. A horizontally polarised omnidirectional antenna.

The 30th December, 1983

244/Mas/83 C. S. Javid. A self adhesive "Peel & Stick" type hot/cold insulation tape or panel.

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CLASS : 198 D.

152474

Int. Cl. : B03d 3/00.

APPARATUS AND METHOD FOR THE GRAVITY SETTLING OF SUSPENDED SOLIDS".

Applicant : DORR-OLIVER INCORPORATED, a corporation of the State of Delaware, United States of America, having a principal place of business at 77 Havemeyer Lane, City of Stamford, State of Connecticut 06904, United States of America.

Inventor : PETER KOS.

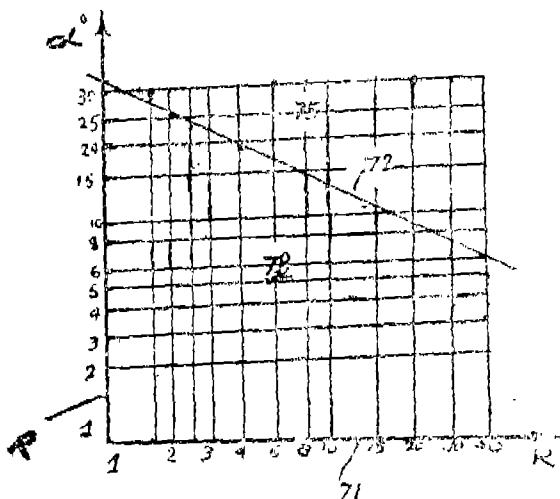
Application for patent No. 431/Del/79 filed on 13th June, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

24 Claims

Sedimentation apparatus for the gravitational settling of solids suspended in a liquor which is introduced into a tank from a conduit comprising

a diffuser interposed between the conduit and liquor in the tank to guide liquor into the tank along a feed axis, said diffuser being formed with a wall which encloses the feed axis and diverges outwardly from an inlet to a discharge end, said enclosing wall diverging with a flare angle as measured between opposing segments of the wall where-in the maximum flare angle of the diffuser and the ratio of the length of the enclosing wall to a predetermined cross-sectional dimension of inlet do not lie above the boundary line shown in the Fig.



said diffuser thereby maintaining a flow regime without appreciable stall and a desired reduction of the velocity of the liquor at a discharge end to enable liquor from the diffuser to pass into the tank with no or a very low lever of turbulence.

(Complete specification 33 pages. Drawing 5 sheets).

CLASS 103.

152512.

Int. Cl. C 23 f 13/00.

ELECTROLYTIC METHOD FOR BIOFOULING, AND SCALE CONTROL ON METALLIC SURFACES.

Applicants : DIAMOND SHAMROCK CORPORATION OF 1100 SUPERIOR AVENUE, CLEVELAND, OHIO, U.S.A.

Inventors : 1. JOHN EDWIN BENNETT AND 2. JOSEPH EDWARD ELLIOTT.

Application No. 1226/Cal/79 filed November 23, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A method of maintaining a valve metal surface such as hereinbefore described free of deposits selected from the group consisting of biological and hardness deposits in a saline aqueous environment comprising: providing on said surface a stayle electrocatalytic coating capable of generating at effective

amount of oxygen to maintain said surface free of biological and hardness deposits with substantially no evolution of chlorine gas when made anodic, connecting a source of electrical potential so as to make the valve metal surface anodic and so as electrolyze water in contact therewith to produce a quantity of oxygen and hydrogen ions at said anodic valve metal surface sufficient to prevent formation of biological or hardness deposits, said electrolyzing taking place at an electrical current density and an applied electrical voltage below a threshold voltage at which chlorine is evolved from the saline aqueous environment.

(Compl. Specn. 38 pages. Drgs. 5 sheets).

CLASS 40 F.

152513.

Int. Cl. G 01 j 3/34; G 01 n 21/02; 33/28.

APPARATUS FOR THE QUANTITATIVE DETERMINATION OF FAT IN AN AQUEOUS FAT EMULSION SAMPLE.

Applicants : A/S N. FOSS ELECTRIC OF SLANGE-RUPGADE 69, DK-3400 HILLERD, DENMARK.

Inventors 1. STEN ANDERSEN NEXO AND 2. HENRIK RASTRUP ANDERSEN.

Application No. 1271/Cal/79 filed December 6, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

An apparatus for the quantitative determination of fat in an aqueous fat emulsion sample which, in addition to fat, contains protein and carbohydrate, and in which the average fat globule diameter is at the most 2/ μ m, by an infrared transmission absorption technique, comprising a source of infrared radiation, transparent sample receiving means, means for directing a beam of radiation from said source through said sample receiving means, means for chopping said beam at a predetermined frequency at a position between said source and said sample receiving means, a plurality of pairs of optical filters, each of said pairs being associated with the respective one of said components and comprising a component filter for passing infrared radiation at a narrow frequency band at which the radiation absorbing ability of said component is relatively high, and a reference filter for passing infrared radiation at a different narrow frequency band at which the radiation absorbing ability of said component is low, means for successively positioning said filters of at least one pair in said radiation beam between said source and said sample receiving means and for maintaining each filter in said radiation beam during a plurality of cycles of said chopping means, a thermopile radiation detector arranged so as to receive radiation having passed said sample receiving means and for providing signals in response thereto, and means for calculating values of said components on the basis of said signals, characterized in that the apparatus comprises an optical filter for passing infrared radiation at a narrow wavelength band in the double band from 3.35 to 3.51/ μ m, an optical filter for passing infrared radiation at a narrow frequency band characteristic of protein, and an optical filter for passing infrared radiation at a narrow wavelength band characteristic of carbohydrates, and a homogenizer capable of homogenizing aqueous fat emulsion samples.

(Compl. Specn. 38 pages. Drgs. 5 sheets).

CLASS 172 C.

152514.

Int. Cl. D 01 g 15/46.

WEB TAKE-OFF APPARATUS AT THE DOFFER OF A CARD.

Applicants : RIETER DEUTSCHLAND GMBH, OF REUTLINGEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. HANSJOERG ROTHEN, 2. HEINRICH RUTSCHMANN AND 3. HANS RUTZ.

Application No. 1274/Cal/79 filed December 7, 1979.

Convention date : 9th December, 1978 (20979/79) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

Web take-off apparatus at the doffer of a card with a pair of delivery rolls forming a nip line for the web, arranged after the doffer roll, which at each delivery roll is provided with a stationary grazing blade set closely to the cylindrical surface for seed particles and similar impurities, characterised in that web deflecting device (15, 15a; 26, 26a; 27, 27a; 32, 33) is set to at least one delivery roll (8, 8a; 28, 28a) between the nip line (K) and the grazing blade (12, 12a) and outside of, but in the vicinity of, the normal, predetermined free web exit path (9a) at a distance of at least 0.1 mm.

Comp. Specn. 13 pages. Drgs. 2 sheets.

CLASS 47 C.

152515.

Int. Cl. C 10 b 39/00.

VERTICAL CHAMBER FOR THE CONTINUOUS DRY QUENCHING OF COKE.

Applicants : DR. C. OTTO & COMP. GMBH. OF CHRISTSTRASSE 9, 4630 BOCHUM, WEST GERMANY.

Inventors : 1. ERICH PRIES AND 2. HEINZ THUBEAUVILLE.

Application No. 1275/Cal/79 filed December 7, 1979.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A vertical chamber for the continuous dry quenching of coke by means of inert gases circulated through the coke and a heat exchanger, the chamber comprising a top prechamber below a charging opening, a quenching chamber which is below the prechamber and which has a bottom gas inlet and a bottom coke discharge, and a central gas outlet between the prechamber and the quenching chamber, and wherein a top gas inlet for the selective supply of cool inert gas and/or a top gas outlet for the selective discharge of hot inert gas are provided in the space above the prechamber.

Comp. Specn. 7 pages. Drg. 3 sheets.

CLASS 39 L; 40 F & 93.

152516.

Int. Cl. B 01 j 2/00; C 01 f 7/02.

PROCESS FOR THE PRODUCTION OF SPHERICAL GAMMA-ALUMINA ADOORBENT OF HIGH MECHANICAL RESISTANCE, FROM ACTIVATED HYDRARGILLITE AND/OR BAYERITE.

Applicants MAGYER ALUMINIUMIPARI TROSZT OF 56, POZSONYI UT., BUDAPEST, HUNGARY.

Inventors : 1. DR. JOZSEF MATYASI, 2. GYORGY KAPTAJ, 3. DR. LASZLO ZSEMBERY 4. DR. BELA KOKENY AND 5. SANDOR NAMETH.

Applicants : 1283/Cal/79 filed December 10, 1979

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

Process for the production of spherical gamma-alumina adsorbent of high resistance to mechanical effects by the granulation with water of activated hydrargillite and/or

bayerite, characterized by grinding of said hydrargillite, bayerite or their mixture to an average grain size of 15—20 μm and containing grains of at least 1 μm and not more than 100 μm size with water of a total amount of 0.15—0.30 parts by weight, preferably of 0.20—0.25 parts by weight, referred to 1 part by weight of the solid material, the water being sprayed under an overpressure of 1.8—2.2 atm in such a way that the solid material and the sprayed water are added alternately under continuous stirring, being added at first in 4-6 portions of the same size and continued later under the gradual rise of the portions until the desired grain size is attained, then the granulates are agitated for 45—60 minutes, preferably for 50 minutes, while spraying the residual amount that is less than 3% of the total amount of the aforementioned water quantity, then subjecting the product to heat treatment at an overpressure of 1.5—2.5 atm at a temperature of 90—95°C for 8—18 hours, preferably for 16 hours, and drying and reactivating the product in a known way.

Comp. Specn. 15 pages. Drgs. Nil.

CLASS 14 C.

152517.

Int. Cl. H 01 v 3/00.

SILICON SOLAR CELL DEVICE AND METHOD OF MAKING SAME.

Applicants : WESTINGHOUSE ELECTRIC CORPORATION OF WESTINGHOUSE BUILDING GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : DONALD EARL THOMAS.

Application No. 109/Cal/80 filed January 29, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A silicon solar cell device in which a sheet of large-grained silicon steel, having a silicon content of 2.5% to 3% by weight, is provided with a layer of epitaxial tungsten deposited on said sheet; a layer of epitaxial doped silicon being deposited on said layer of tungsten, said silicon layer having a p-n junction near the surface thereof; and a current collector on said layer of silicon.

Comp. Specn. 12 pages. Drg. 1 sheet.

CLASS 90 F & I.

152518.

Int. Cl. C 03 c 13/00; C 04 b 31/00.

REINFORCING ELEMENTS, FOR USE IN THE MANUFACTURE OF CEMENT BASED PRODUCTS, IN THE FORM FIBER OF GLASS.

Applicants : ISOVER SAINT-GOBAIN OF 62 BOULEVARD VICTOR HUGO, F92209 NEUILLY SUR SEINE, FRANCE.

Inventors : 1. JEAN-JACQUES MASSOL.

Application No. 131/Cal/80 filed February 4, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Reinforcing elements, for use in the manufacture of cement based products, in the form of fibres of glass which are resistant to strongly basic media having been prepared in a conventional manner from glass which is obtained from conventional raw materials in the usual manner wherein said

fibres of glass have the final components, expressed in the form of their oxides, in the following percentages by weight :

SiO ₂	25 to 54%
Al ₂ O ₃	20 to 40%
MgO	24 to 40%
ZrO ₂	1 to 5%
P ₂ O ₅	0 to 10%
TiO ₂	0 to 10%
B ₂ O ₃	0 to 10%
F	0 to 5%
Cr ₂ O ₃	0 to 2%

Provided that the sum 2 MgO+Al₂O₃ is at least equal to 70%.

(Compl. Specn. 16 Pages. Drg. Nil).

CLASS 172 D.

152519.

Int. Cl. D 01 h 7/00.

FALSE TWISTING APPARATUS.

Applicants : MASCHINENFABRIK RIETER A.G. OF WINTERTHUR, SWITZERLAND.

Inventors : 1. JAKOB FLUCK AND 2. HANS SCHELLENBERG.

Application No. 231/Cal/80 filed February 28, 1980.

Convention date 28th February, 1979 (07012/79) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A false twisting apparatus comprising at least one movable twist imparting surface and at least one pin-shaped thread guide extending above, or below respectively at a setting angle and a thread guide surface for guiding a thread frictionally contacting the circumference of the twist imparting surface for twist imparting, wherein the thread guide surface has a convex curvature with respect to the direction of movement of the twist imparting surface.

(Compl. Specn. 10 pages. Drg. 2 sheets).

CLASS 9 D.

152520.

Int. Cl. C 22 c 39/36.

A METHOD FOR PRODUCING A NOVEL HEAT RESISTANT ALLOY CASTINGS HAVING IMPROVED RESISTANCE TO THERMAL FATIGUE.

Applicants : ABEX CORPORATION OF 530 FIFTH AVENUE, NEW YORK, NEW YORK 10036, U.S.A.

Inventors : 1. BRUCE A. HEYER AND 2. RONALD L. HUTH.

Application No. 236/Cal/80 filed February 29, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

A method for producing a novel heat resistant alloy castings having improved resistance to thermal fatigue in known manner such as herein described wherein said castings essentially consists of the following constituents, as expressed in percentage by weight.

Carbon	0.45
Manganese	1.25 max.
Silicon	3.5 max.
Chromium	25
Nickel	35
Cobalt	15.
Tungsten	4.5.
Titanium	0.35
Iron	Balance, substantially.

(Compl. Specn. 10 pages. Drg. Nil).

CLASS 151 D & G.

152521.

Int. Cl. B 23 g 1/00; F 16 I 15/00.

AN APPARATUS FOR MAKING UP A THREADED CONNECTION OF TWO MEMBERS HAVING MATING THREADS.

Applicants & Inventors : CHARLES WILLIAM CALHOUN OF 585 SOUTH DOGWOOD, JACKSON, WYOMING, 83001, UNITED STATES OF AMERICA.

Application No. 294/Cal/80 filed March 15, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

6 Claims.

An apparatus for making up two members having making threads comprising, means for rotating one member relative to the second member, means for measuring the torque required to make up the threaded connection, means for measuring the number of turns of rotation of one member relative to the second member,

An x-y graphic recorder connected to the means for measuring the torque and turns for simultaneously plotting the torque and turns relationship as the threaded connection is being made up, and

means connected to the x-y recorder for recording predetermined values of minimum and maximum turns, and reference, minimum, and maximum torque for the threaded connection onto the graphic recorder prior to plotting the torque and turns relationship whereby any abnormality that may exist may be visually observed as the mating threads are interengaged.

(Compl. Specn. 24 pages. Drgs. 4 sheets).

CLASS 157 D₃.

152522.

Int. Cl. E 01 b 31/00.

IMPROVEMENTS IN OR RELATING TO TRAVELLING ON TRACK PLANING MACHINE.

Applicants : FRANZ PLASSER BAHNBAUMASCHINEN-INDUSTRIESELLSCHAFT M.B.H. OF JOHANNESGASSE 3, VIENNA 1, AUSTRIA.

Inventors : ING. JOSEF THEURER.

Application No. 521/Cal/80 filed May 5, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

An improved travelling on-track planing machine working continuously in accordance with its rate of advance along the rail for smoothing out irregularities, such as ridges, lags, in the rail head surface of at least one rail of a laid track, comprising at least one tool carriage which is pivotally connected to the machine frame and which is mounted for vertical

adjustment and for application to the rail head surface by means of drives, being vertically and laterally guided on the rail head and comprising a tool support for a planing cutters characterised in that the tool carriage equipped with at least one lateral guide roller intended for application to the unworn region of the outside or inside of the rail head and with at least two vertical guide rollers of which the axles extend substantially parallel to the plane of the track comprises a tool support which is adjustable in particular relative to the tool carriage and which is provided with a tool holder, being designed for replaceably accommodating planing tools which are equipped with different planing cutters intended for application to the rail head profile of laid tracks.

(Compl. Specn. 27 pages. Drgs. 3 sheets).

CLASS 48 A. & D; 162.

152523.

Int. Cl. D 07 b 3/00.

METHOD AND APPARATUS FOR CONTINUOUSLY STRANDING ELECTRICAL CABLE CORES.

Applicants : KABELMETAL ELECTRO GMBH OF KABELKAMP 20, 3000 HANNOVER 1, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. GEHARD ZIEMEK, 2. WOLFRAM KLEBL, 3. ERNST HOFFMANN AND 4. REINER BRUNN.

Application No. 609/Cal/80 filed May 24, 1980.

Addition to No. 907/Cal/78 dated 17th August, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

23 Claims.

Method of continuous stranding, effected with alternating lay direction, of electrical cables and lines comprising cores of large cross-section, either solid or assembled from individual wires, these cores being hauled off individually from stationarily mounted supplies, concentrated into a bundle or bunch at a first stranding point, and thereafter stranded in the stretched condition within a prescribed path whilst travelling along the prescribed path, which is limited by a second stranding point; the material being stored in the stretched condition, within said path, along a predetermined shorter path; the bundle or bunch, after leaving the first stranding point, being gripped frictionally on all sides and retained along a length which amounts to only a fraction of the storage length, and being stranded during the retention of the section of the bundle or bunch between the first stranding point and the retaining means, and said stranded section continuing to be retained in a torsion-free state in said stranded condition whilst travelling along the storage length, before, after the stranded cores have been released from the retaining means, it is fed to the second stranding point; characterised in that the interval between the end of the retaining means and the second stranding point is an even-number multiple of the storage length, but is at least twice the storage length.

(Compl. Specn. 20 pages. Drgs. 1 sheet).

CLASS 172 F.

152524.

Int. Cl. D 01 d 5/00.

PROCESS FOR THE PREPARATION OF FILAMENTS OF HIGH MODULUS AND TENSILE STRENGTH.

Applicants : STAMICARBON B.V., OF P.O. BOX 10, GELEEN, THE NETHERLANDS.

Inventors : 1. PAUL SMITH AND 2. PIETER JAN IEMSTRA.

Application No. 663/Cal/80 filed June 4, 1980

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

Process for the preparation of filaments of high modulus and tensile strength by spinning a solution of a high-molecular-weight linear polymer and drawing the filaments, characterised in that a solution of a linear polyethylene with a weight-average molecular weight $M_w > 4 \times 10^6$ is spun and the filaments are drawn using a draw ratio of at least $(12 \times 10^6 M_w) + 1$, at a drawing temperature such that at the draw ratio used the modulus of the filaments is at least 20 GPa.

(Compl. Specn. 13 pages. Drgs. 7 sheets).

CLASS 145 B.

152525.

Int. Cl. D 21 h 1/00.

A TRAVELLING WEB COATER FOR COATING WEBS SUCH AS WEB OF PAPER AND THE LIKE AND A METHOD THEREFOR.

Applicants : BELOIT CORPORATION OF BELOIT, WISCONSIN, U.S.A.

Inventors : 1. ROBERT J. ALHEID AND 2. IRVIN J. PHILIPPS.

Application No. 668/Cal/80 filed June 5, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A travelling web coater for applying a smooth uniform layer of liquid coating of controlled weight onto the surface of a travelling web such as a paper web obtained thereby comprising in combination :

a plurality of parallel coating gate rolls including metering rolls in close running relationship for accurately metering and transferring coating onto the surface of a travelling web including a transfer roll in close running relationship with the web;

a backing roll over which a web is threaded with a transfer nip formed with the transfer roll for applying the layer of coating of controlled thickness onto the web supported on the backing roll;

nip control means controlling the nip pressure between said metering rolls and between the metering rolls and transfer roll;

means for delivering coating to the upwardly facing nip between adjacent metering rolls with the coating being transferred by the metering rolls and the transfer roll to the web;

and an air knife positioned downstream of said transfer nip smoothing the transferred coating on the web with the primary function of the knife being to smooth the surface of the layer of coating.

(Compl. Specn. 11 pages. Drg. 1 sheet).

CLASS 101 E.

152526.

Int. Cl. G 01 f 1/00.

APPARATUS FOR DETERMINING THE MASS FLOW RATE OF PARTICULATE MATERIAL IN A FLUID STREAM.

Applicants : WESTINGHOUSE ELECTRIC CORPORATION OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor : JOSEPH EDWARD MACKO.

Application No. 813/Cal/80 filed July 16, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

Apparatus for determining the mass flow rates of particulate material in a fluid stream to which said particulate material is added to be transported thereby, said apparatus comprising a fluid conduit structure, a particulate material feed structure joining said fluid conduit structure, a fluid-particulate material mixture conduit structure extending from the junction of said fluid conduit structure and said particulate material feed structure, a first sensing means being provided on said particulate material feed structure for determining the temperature of said particulate material, second sensing means being provided on said fluid conduit structure for determining the temperature of said fluid, third sensing means being provided on said fluid conduit structure for determining the flow rate of said fluid, and a fourth sensing means being provided on said fluid-particulate material mixture conduit for determining the temperature of said fluid-particulate material mixture, said first, second, third and fourth sensing means being connected to calculating means for determining the mass flow rate of particulate material in said fluid stream from the obtained flow and temperature parameter and heat capacities in accordance with the equation

$$M_p = \frac{M_f (T_f - T_m)}{(T_m - T_f)} \times \frac{C_{pf}}{C_{pp}} \quad [\text{kg/hr}]$$

wherein M_p = mass flow rate of the particulate material
 M_f = mass flow rate of the fluid.

T_f = temperature of the transport fluid.

T_m = temperature of the mixture.

T_p = temperature of the particulate matter.

C_{pf} = the heat capacity of the transport fluid.

C_{pp} = the heat capacity of the particulate matter.

(Compl. Specn. 10 pages. Drg. 1 sheet).

CLASS 134 A.

152527.

Int. Cl. E 05 c 65/12.

LOCKING DEVICE FOR AUTOMOBILES.

Applicants : USHA AUTOMOBILE & ENGINEERING LTD., OF 2, RAMGOPAL GHOSH ROAD, CALCUTTA-700 002, WEST BENGAL, INDIA.

Inventors : 1. SAMIRENDRA GUHA, 2. DILIP KUMAR GANGULY AND 3. KASHMIRA SINGH.

Application No. 890/Cal/80 filed August 4, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A locking device for automobiles is characterised in that it includes a lock employing six spring-biased flat tumblers vertically positioned within a die-cast barrel or body of standard length and diameter, the barrel having six holes for the upward and downward movements of the said flat tumblers, the barrel being provided with two rows of slots of three in each row to be connected to the tumblers.

(Compl. Specn. 6 pages. Drgs. 2 sheets).

CLASS 14 A.

152528.

Int. Cl. H 01 m 3/00.

A METHOD FOR THE MANUFACTURE OF FIBROUS PLATFORM MATERIAL FOR THE MANUFACTURE OF BATTERY SEPARATORS.

Applicants: IRAPA VYVOJOVY A RACIONALIZACNIC USTAV PRUMYSLU PAPIRU A GELULOZY OF NO 1 PRISTAVNI, PRAHA 7, CZECHOSLOVAKIA.

Inventors : 1. STANISLAV KACAFIREK, 2. KAREL HALA AND 3. JAN PFEFFERLE.

Application No. 906/Cal/80 filed August 7, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim.

A method for the manufacturing of fibrous platform material for the manufacture of battery separators having an area mass of 70—180 g/m² comprising the steps as herein described providing a suspension containing a mixture of refined cellulose fibres having a content of a percentage of 80/85% of α -cellulose and of glass micro-fibres having a middle diameter of the fibre till to 4 microns where the content of the glass micro-fibres is of a percentage of weight of 5%—20% such that the mass content of the mixture of fibres ranges from 90—99%.

(Compl. Specn. 6 pages. Drg. Nil).

CLASS 151F.

152529.

Int. Cl. F 15 d 1/02.

AN IMPROVED TURBULATOR UNIT FOR INSERTION INSIDE HEAT EXCHANGE TUBE.

Applicants & Inventors : RONALD HARRY SMICK OF 745 CHAPEL OTTAWA, ILLINOIS 61350, U.S.A.

Application No. 1130/Cal/80 filed October 3, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

An improved turbulator unit for insertion in a heat exchanger tube having substantially straight longitudinal internal walls, comprising, in combination, a plurality of elongated turbulator strips of metal each formed of a series of alternating deflection panels successively joined together by substantially triangular bridging portions, said strips being ganged together with every other one of said bridging portions of each of said strips being disposed and anchored substantially on the axis of the heat exchanger tube and the other of said triangular bridging portions each disposed with the apex thereof adjacent the inner wall of said tube.

(Compl. Specn. 11 pages. Drg. 1 Sheet).

CLASS 88 F.

152530.

Int. Cl. B 01 d 15/06, 41/00.

APPARATUS FOR REGENERATING ABSORBENT.

Applicants : METALLGESELLSCHAFT A. G. OF 16 FRANKFURT A. M. REUTERWEG, WEST GERMANY.

Inventors : 1. GERHARD GRUNEWALD AND 2. DR. MANFRED KRIEBEL.

Application No. 1141/Cal/80 filed October 7, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

Apparatus for regenerating absorbent which is withdrawn from a gas purification zone and is laden with gaseous impurities and is regenerated in a regenerating zone, which contains mass transfer-promoting elements and is included in a regenerating column, in which the absorbent to be regenerated is conducted at temperatures of 30 to 300°C in a countercurrent to rising stripping vapor, which takes up and carries

off the impurities, characterized in that the regenerating column comprises an upper regenerating zone, which can be shut down and is provided with at least one shutoff valve-controlled inlet for laden absorbent, and a lower second regenerating zone provided with a second shutoff valve-controlled inlet for the same laden absorbent, and the volume ratio between the second and upper regenerating zones is at least about 1.5 to 1.

(Compl. Specn. 16 pages. Drgs. 1 sheet).

CLASS 65 B. 152531.
Int. Cl. H 01 f 5/00, 27/28.

HELICAL WINDING FOR INDUCTOR.

Applicants : HITACHI LTD. OF 5-1, MARUNOUCHI 1-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. KUNIO KATADA, 2. MINORU GOTO, 3. KAZUO KON AND 4. SEIICHIRO ONO.

Application No. 1199/Cal/80 filed October 23, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patent Office, Calcutta.

4 Claims.

A helical winding system for an inductor in which the inner and the outer cylindrical windings are disposed coaxially, in two layers and connected in series, each of said windings being formed by helically winding a conductor composed of a plurality of strands which are parallelly disposed in a plane perpendicular to the common axis of said cylindrical windings.

Characterized by that strands of said outer helical winding are transpositioned sequentially at a transposition space defined near a $\frac{1}{n}$ turn point from the junction of said outer and inner helical windings, where n is a total number of turns of said outer helical winding.

(Compl. Specn. 13 pages. Drgs. 2 sheets).

CLASS 131 B. 152532.
Int. Cl. E 21 b 21/04.

METHOD OF DRILLING A PRODUCTIVE BED IN THE FORMATION OF PETROLEUM NATURAL GAS AND LIKE WELLS.

Applicants : SREDNEAZIATSKY NAUCHNO-ISSLEDOVATELSKY INSTITUT PRIRODNOGO GAZA OF TASH-KENT, ULITSA T. SHEVCHENKO, 2 USSR.

Inventors : 1. ULMAS DZHURAEVICH MAMADZHANOV, 2. VITOLD MIKHAILOVICH BAKHIR, 3. STANISLAV AFANASIEVICH ALEKHIN AND 4. RAISA IVANOVNA BORN.

Application No. 1217/Cal/80 filed 27 October 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A method of drilling a productive bed, in the formation of petroleum natural gas and like wells which comprises the tapping of the bed roof using a starting flushing fluid and the determination of the redox potential value of the bed-forming rock at the moment of tapping the bed roof, with subsequent replacement of the starting flushing fluid with a fluid having redox potential value and sign equal to those of the productive bed rock.

(Compl. Specn. 17 pages. Drg. 1 sheet).
2—447 GI/83

CLASS 198 C1.

152533.

Int. Cl. C 21 c 5/28.

APPARATUS FOR SUPPLYING FLUID TO CONVERTERS.

Applicants : NIPPON STEEL CORPORATION OF 6-3, OTEMACHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. MASAHICO SEKI, 2. YUKTO 40, 3. KOJI WADA.

Application No. 1276/Cal/80 filed 14 November 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

14 Claims.

An apparatus for supplying fluids to converter supported by a tiltable trunnion ring having horizontally projecting trunnion shafts and having a plurality of tuyeres at the bottom thereof, each tuyere comprising a refining gas injection nozzle and an annular protective gas injection nozzle coaxially surrounding said first nozzle, means for supplying a refining gas and a protective gas to said refining gas injection nozzle and annular protective gas injection nozzle respectively, comprising a rotary joint which comprises a fixed casing and a rotary assembly sealed and rotatably fitted in the casing and coupled to said trunnion shaft, refining gas supply pipes and protective gas supply pipes connected to the rotary joint, a refining gas conduit and a protective gas conduit connecting the rotary joint with the tuyeres, which is characterized by :

the rotary assembly having cylindrical means fitted in said casing;

a plurality of axially spaced, circular communication grooves provided in at least one of the internal surface of the casing and the external surface of the cylindrical means;

said protective gas supply pipes being attached to the casing so as to communicate with the individual communication grooves;

a passageway being provided in the cylindrical means, the passageway opening into each said communication groove at one end and into that part of the cylindrical means which is exposed out of the casing at the other end; and

said protective gas conduit being attached to said exposed part of the cylindrical means so as to communicate with the passageway.

(Compl. Specn. 34 pages. Drgs. 8 sheets).

CLASS 71 G. 152534.
Int. Cl. E 02 d 17/08.

CONSTRUCTION PLATE FOR A DITCH CONSTRUCTION DEVICE.

Applicants & Inventors : JOSEF KRINGS OF HANS-BOECKLERSTR. 23 D-5138 HEINSBERG-ÖBERBRUCH, WEST GERMANY.

Application No. 1307/Cal/80 filed November 24, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

In a construction plate for a ditch construction device of the type comprising profiled steel elements which are rigidly coupled together, cover plates covering said steel elements and profiled steel elements in the form of hollow profiles mounted adjacent the small sides of the construction plate and provided with guide heads for coupling adjacent supports or construction heads, the improvement comprising : at least one vertically-disposed hollow profile having a wall

facing the inner side of said construction plate and having a plurality of vertically spaced-apart and aligned horizontally-disposed slot openings formed therein :

a profile guide bar having a rear side rib with a plurality of vertically spaced-apart and aligned horizontally-extending joint plates disposed for insertion through said openings of said hollow profile, said joint plates each having vertically-extending and aligned throughout openings formed therein vertically aligned with the throughout openings of the other plates;

a locking rod insertable through said throughout openings, said locking rod having wedge elements for engaging said joint plate and/or hollow profile.

(Compl. Specn. 13 pages. Drgs. 2 sheets)

CLASS 69 A&K.

Int. Cl. H 01 h 3/32.

HIGH VOLTAGE CIRCUIT BREAKER.

Applicants : SIEMENS AKTIENGESELLSCHAFT OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : 1. KARL MASCHER.

Application No. 1308/Cal/80 filed November 24, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A high voltage circuit breaker having main switching contacts and auxiliary switching contacts which, in a first phase of closing operation, are arranged to close before the main switching contacts in order to connect a resistance across the mainswitching contacts, and then in a second phase of said operation, are arranged to open when the main switching contacts are closed, characterised in that the auxiliary contacts are driven by a drive arrangement comprising a drive shaft, a crank mounted on said shaft, and a connecting rod connecting a moveable one of said auxiliary contacts with said crank, one end of said connecting rod being guided in a guide slot in the crank, which slot has first and second portions which extend at an angle to one another and in which said one end of the connecting rod is guided during said first and second phases respectively.

(Compl. Specn. 9 pages. Drgs. 3 sheet(s)).

CLASS 155 D.

152536.

Int. Cl. B 32 b 21/00, 23/00.

A METHOD OF PRODUCING A DECORATIVE LAMINATE.

Applicants : FORMICA CORPORATION OF BERDAN AVENUE, WAYNE, STATE OF NEW JERSEY, UNITED STATES OF AMERICA.

Inventors : 1. RICHARD FREDERICK TATSF AND 2. ROBERT WINSTON MOORE.

Application No. 406/Cal/81 filed April 16, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules) Patent Office, Calcutta.

6 Claims.

A method of producing a decorative laminate having registered color and embossment comprising :

A. Assembling, in superimposed relationship, a laminate assembly comprising

(i) a rigidity-imparting substrate,

(ii) a melamine-formaldehyde resin impregnated fibrous decor sheet,

(iii) a release sheet having an ink layer on the surface thereof adjacent to said decor sheet and

(iv) an embossing press plate having a surface with protuberant and valley areas capable of being impressed into at least said release sheet,

B. heat and pressure consolidating said assembly so as to transfer said ink layer to the uppermost surface of said decor sheet.

C. removing said release sheet and said embossing press plate from the resultant ink-surfaced, embossed laminate,

D. burnishing the surface of said laminate to remove said ink from the high areas of the embossed surface thereof and

E. recovering the resultant laminate.

(Compl. Specn. 14 pages. Drg. Nil).

CLASS 119 D.

152537.

Int. Cl. D 03 d 51/34.

JET WEAVING MACHINE.

Applicants : RUTI-TE STRAKE B.V., OF DFURNE, THE NETHERLANDS.

Inventors : MARTINUS DEKKER.

Application No. 14/Cal/82 filed January 4, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A jet weaving machine of the type having means for forming a warp shed, means for providing a weft thread guide channel extending across the width of the warp shed and for beating up each weft thread inserted into the shed, a fluid nozzle at one end of the shed for inserting into the shed a length of weft thread, a first weft thread monitor disposed in the region of the far end of the shed for emitting a signal when the inserted weft thread has not reached its intended length, and a tensioning device spaced from the opposite side of said first monitor from said nozzle for receiving the leading end of the weft thread after it has been inserted through the shed and bending the leading end portion of the thread at an angle to the insertion direction by an auxiliary fluid flow acting transversely to the insertion direction, said tensioning device being operable to stretch and straighten the inserted weft thread and hold it taut until beating up is performed; said weaving machine being characterized by a second weft thread monitor for sensing the presence of a weft thread in the region of the flow exit end of the tensioning device and emitting a signal if the inserted weft thread overshoots its intended length by a prescribed distance.

(Compl. Specn. 12 pages. Drgs. 1 sheet).

CLASS 32F₂(u).

152538.

Int. Class C07c 109/00.

"PROCESS FOR THE PREPARATION OF N¹-SUBSTITUTED AROYL/ARALKANOYL-N²-(2-CARBOXY PHENYL/SUBSTITUTED PHENYL) HYDRAZINE DERIVATIVES".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

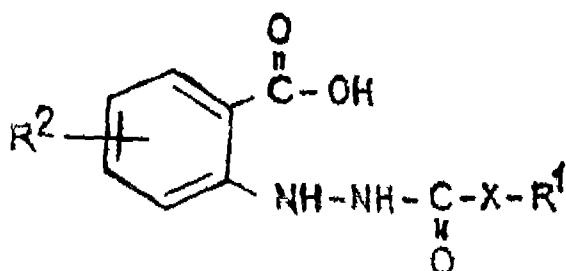
Inventors : NANDURI BHANUMATHI, VANKAYALAPATI KRISHNA RAO, PRALHAD BALVANTRAO SATUR & GURBACHAN SINGH SIDHU.

Application for patent No. 457/Del/79 filed on 23rd June, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

6 Claims.

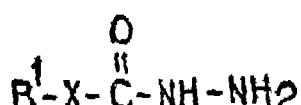
A process for the preparation of N-substituted aryl/aralkyl-N²-(2-carboxy phenyl/substituted phenyl) hydrazine derivatives represented by the general formula (I)



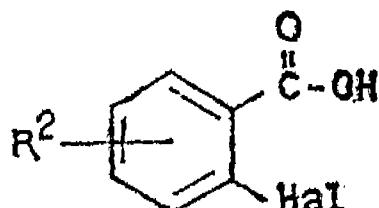
R^2 represents phenyl or Naphthyl having substituents such as hydrogen, chloro, methyl, methoxy and nitro group.

R^1 represents hydrogen, chloro, methyl, methoxy and nitro groups.

'X' represents no substituent or an alkyl group straight or branched embracing 1 to 4 carbon atoms, which comprises reacting a substituted hydroxide of the general formula III



wherein 'X' and R^1 have the meanings given above with a compound of the formula (II).



wherein Hal represents chlorine, bromine or iodine and R^2 has the meanings given above in the presence of a solvent, a catalyst and an alkali carbonate; such as herein described, the reacting being carried out a reflux temperature of the solvent used.

(Compl. Specn. 6 pages. Drwg. 1 sheet).

CLASS 32F₂₁/32F₁.

152539.

Int. Class C07c 87/00.

"A PROCESS FOR THE PREPARATION OF 2-CHLORO-6-NITROANILINE DERIVATIVES".

Applicant : CELAMERCK GmbH & Co. KG, a German company, of D-6507 Ingelheim am Rhein, Germany.

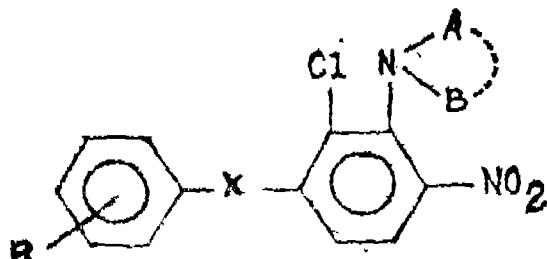
Inventors : WOFGANG BUCK, RICHARD SEHRING, GERBERT LINDEN & SIEGMUND LUST.

Application for patent No. 486/Del/79 filed on 6th July 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

4 Claims.

A process for the preparation of 2-chloro-6-nitro-aniline derivatives of general formula-I



in which

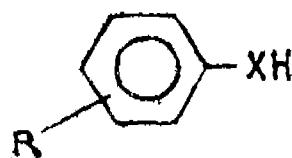
A represents hydrogen, a straight or branched alkyl radical with 1 to 6 carbon atoms, a cycloalkyl radical with 3 to 6 carbon atoms, an alkyl radical substituted with chlorine or hydroxyl and having 2 to 6 carbon atoms, allyl or trifluoroacetyl,

B represents hydrogen, methyl, ethyl, n-propyl or isopropyl, or

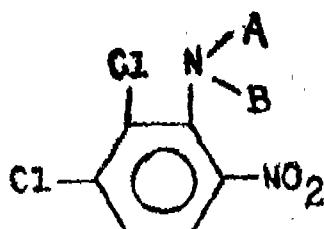
A and B may also together form an alkylene bridge which may optionally be interrupted by oxygen, =NH or =NCH_3 and which comprises a chain of upto 5 atoms, or A and B may together form the group $\text{=CH-N(CH}_3)_2$.

R represents hydrogen, fluorine, chlorine, bromine, trifluoromethyl, methyl or methoxy and

X represents oxygen or sulphur wherein a phenol or thienophenol of general formula



in the presence of an acid-binding agent or in the form of a salt such as herein described is reacted with a dichloronitroaline of general formula-III



in an inert solvent such as herein described, $\text{A}, \text{B}, \text{R}$ and X in the above formulae having the meanings as defined above.

(Compl. Specn. 23 pages. Drwgs. 2 sheets).

CLASS 187 B. 152540.

Int. Class B06 1/00.

"PROCESS OF PREPARING TRANSDUCER FROM BONE MATERIALS".

Applicant : JITENDRA BEHARI, SURENDRA SINGH & BALARAM, School of Environmental Sciences, Jawaharlal Nehru University, New Mehrauli Road, New Delhi-110067.

Inventors : JITENDRA BEHARI, SURENDRA SINGH & BALARAM.

Application for Patent No. 492/Del/79 filed on 9th July, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims.

The process for preparing transducer from bone materials comprising the steps of slicing, washing, polishing, drying the said bone material coating with silver by known methods characterized in that bone material is prepared by treating bone with formic acid or ethylenediamine.

(Compl. specn. 12 pages. Drwg. 1 sheet).

CLASS 32 B 152541.

Int. Class : C 07c 7/18.

"AN IMPROVED PROCESS FOR THE SWEETENING OF PETROLEUM DISTILLATES CONTAINING MERCAPTO-SULPHUR COMPOUNDS".

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110 001, India, an Indian registered body incorporated under the Registration of Societies Act, (Act XXI of 1860).

Inventors : BRIJ BAHADUR AGARWAL, JOGINDER SHAH BAHL, SILAS FRANKLING FISH, SOMNATH PURI & INDER BHUSHAN GULATI.

Application for patent No. 493/Del/79 filed on 9th July, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

12 Claims.

An improved process for sweetening of petroleum distillates containing mercaptosulphur compounds comprising treating the said distillates with an oxidising agent in an alkaline solution and a phthalocyanine catalyst at a normal temperature and pressure, characterised in that the phthalocyanine catalyst used are phthalocyanine sulphonamides.

(Compl. specn. 9 pages).

CLASS 85 B. 152542.

Int. Class : F22b 17/00, 21/00.

"A VERTICAL BOILER".

Applicant : WALLSEND SLIPWAY ENGINEERS LTD.,

a British company, of Point Pleasant, Wallsend, Tyne & Wear NE28 6QN, England.

Inventor : JOHN PATRIK MOORE.

Application for patent No. 496/Del/79 filed on 9th July, 1979.

Convention date 23rd August, 1978 (U.K.) / (34379/78)

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

14 Claims.

A vertical boiler comprising a vertical furnace designed for fluidised bed combustion and having an air supply at its lower end, tubes for combustion gases extending upwardly from the furnace at or near its upper end, a shell surrounding the furnace to define with the furnace a space surrounding the furnace for containing boiler fluid to be heated by the combustion in the furnace, a plurality of open ended tubes which extend into the combustion space of the furnace, which are, over at least most of their lengths, at angles of at least 45° to the horizontal, which open into the said space to act as convention driven syphons, which extend above and below the normal level of the bed, and which are, over at least most of their lengths within the bed, at an angle to the horizontal, and a plurality of tubes within the said space surrounding the furnace, the latter tubes communicating with the combustion gas tubes of the furnace so that the combustion gases make two or more passes through the fluid to be heated before being discharged from the boiler.

(Compl. specn. 17 pages. Drwgs. 6 sheets).

OPPOSITION PROCEEDINGS

(1)

The application for patent No. 136610, made by Rodic Foundation Engineering Limited and Hazrat & Company Ltd in respect of which opposition was entered by C.S.I.R., Simplex concrete Piles (India) Private Ltd. and Cementation Co. Ltd. as notified in the Gazette of India, Part-III, Section 2 dated the 30th August, 1975, has been allowed and the grant of a patent on the application is refused.

(2)

An opposition has been entered by Union Carbide India Limited to the grant of a patent on application No. 151747 made by Indian Oxygen Limited.

(3)

An opposition has been entered by Council of Scientific & Industrial Research, New Delhi to the grant of a patent on application No. 151747 made by India Oxygen Limited.

(4)

The application for patent No. 151479 made by Elektro-Thermit GmbH in respect of which opposition was entered by the Director General, Research, Designs & Standards Organisation, Government of India, Ministry of Railways as notified in the Gazette of India, Part-III, Section 2 dated the 26th November, 1983, the opposition has been dismissed and ordered that a patent shall be sealed.

CLAIM UNDER SECTION 20(1) OF THE PATENT ACT,
1970

The claim made by Kamyr AB under Section 20(1) of the Patents Act, 1970, to proceed the application for No. 150144 in their name has been allowed.

PATENTS SEALED

150195 150388 150670 150874 150969 150996 151010 151016
151063 151085 151184 151241 151253 151270 151349 151371
151410 151419 151420 151421 151422 151424 151425 151426
151440 151442 151444 151449 151455 151458 151460

RENEWALS FEES PAID

119324 119343 119353 119420 119487 120055 120700 124723
124725 124756 124771 124790 124899 124900 124974 125000
125052 125209 125654 127399 129831 129961 129984 130125
130241 130470 132080 133917 133934 134171 134189 134237
134238 134305 134318 134363 135558 135559 136562 136595
136930 137287 137336 137337 137338 137351 137516 137844
138247 138393 138394 138449 138626 138696 139044 139641
140031 140458 140881 140999 141071 141075 141104 141441
141513 141515 142576 142848 143017 143832 143905 144181
144274 144626 144765 144828 145313 145337 145578 145583
145632 145670 145987 146053 146208 146408 146660 147022
147292 147429 147476 147552 148261 148394 148541 148543
148689 148740 148951 148952 148953 148954 148993 149118
149306 149424 149396 149423 149610 149630 149699 149778
149974 150201 150205 150330 150645 150657 150707

CESSATION OF PATENTS

115357 115376 115377 115380 115381 115382 115383 115384
115394 115401 115403 115408 115417 115423 115426 115444
133921 144689 144862 145466 146161 147527 148817

CANCELLATION PROCEEDINGS
(SECTION 51A)

(1)

An application made by Sarwan Dass & Co. for cancellation of the Registration of Design No(s) 152185 in class 10 in the name of Sada Ram & Sons has been filed.

(2)

An application made by Sarwan Dass & Co. for cancellation of the Registration of Design No. (s). 152186 in the class 3 in the name of Sada Ram & Sons has been filed.

(3)

An application made by Jayveeys Marketing Services (P) Ltd. for cancellation of the Registration of Design No. (s). 152396, 152397 & 152398 in the Class 1, 3 & 4 respectively in the name of Santha Industrials has been filed.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the country.

Class. 1. No. 153537. Kishco Cutlery Limited, (a company incorporated under the provisions of Indian Companies Act) of 'Nirmal'. 3rd floor, 241, Backbay Reclamation, Narimanpoint, Bombay-400 021, State of Maharashtra, India. "Spoon". 5th October, 1983.

Class. 3. No. 153500. Prince Plastics, 312, Churchgate Chambers, 5, New Marine Lines, Churchgate, Bombay-400 020, Maharashtra, an Indian partnership Firm. "Tray Set". 29th September, 1983.

Class. 3. No. 153541. Hari Om Enterprises, an Indian Registered partnership Firm having its office at : 50 Kakad Industrial Estate, Lady Jamshedji Road, Mahim, Bombay-400 016. Maharashtra, India. "A Frog Puppet". 6th October, 1983.

Class. 3. No. 153426. M/s. Asian Advertisers, 20, Kala Bhavan, 3, Mathew Road, Opera House, Bombay-400 004, Maharashtra, and Indian Partnership Firm. "Memo Box Desk Calender". 2nd September, 1983.

Class. 3. No. 153286. Eagle Flax Private Limited (an existing Company under the Companies Act) at Eagle Estate, Talegaon-410 507, District Pune, Maharashtra State, India. "Lid". 20th July, 1983.

Class. 3. No. 153226. Godrej & Boyce Mfg. Co. Pvt. Ltd., an Indian Company, Godrej Bhavan, Home Street, Bombay-400 001, Maharashtra State, India. "File for Computer Data-Printout". 24th June, 1983.

Class. 3. No. 153370. Murphy India Limited, an Indian Company, existing under the Companies Act, 1956, having its registered office at Cest Mahal, 463, Dr. Annie Besant Road, Worli, Bombay-400 025, State of Maharashtra, India. "Television Cabinet". 25th August, 1983.

Class. 3. No. 153675. Asian Advertisers, 20, Kala Bhavan, 3, Mathew Road, Opera House, Bombay-400 004, Maharashtra State, an Indian Partnership Firm. "Pencil Tray". 16th November, 1983.

Class. 4. No. 153399. Greensfields Hanvita Co., an Indian Co., "Bottle" 26th August, 1983.

Class. 4. No. 153227. McDowell & Co Ltd., a Company incorporated in India, of 3 Second Line Beach, Madras-600 001, Tamil Nadu, India. "Soft Drink Bottle". 28th June, 1983.

Class. 4. No. 153119. Modern Food Industries (India) Ltd.,
(A Government of India Enterprises), 25-B, Pas-
chimi Marg, Vasant Vihar, New Delhi-110057,
India, "Glass Bottle". 21st May, 1983.

*Extn. of Copyright for the Second period of five
years.*

Nos. 149032, 153310.—Class-1.

*Extn. of Copyright for the Third period of five
years.*

No. 153310.—Class-1.

SHANTI KUMAR,
Controller General of Patents,
Designs and Trade Marks.